Measurement of Tensor Analyzing Power in Elastic Electron-Deuteron Scattering at Momentum Transfer Range 8.4 – 21.6fm^{-2}

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The tensor analyzing power components T_{20} and T_{21} have been measured in reaction of elastic electron-deuteron scattering at the 2GV electron energy storage ring VEPP-3, Novosibirsk, in a four-momentum transfer range from 8.4 to 21.6 fm^{-2}. A new polarized internal gas target with an intense cryogenic atomic beam source was used. The new data determine the deuteron form factors G_C and G_Q in an important range of momentum transfer where the first node of the deuteron monopole charge form factor is located. The new results are compared with previous data and with some theoretical predictions.